BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 1500000.00

Name of Work: Detailed Estimate for the work of Construction of CC road at yelahanka old post office road opposite to Rajakumar house road and yelahanka old town in ward No- 01 of yelahanka Sub division.

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH chapter 3. No. 138/ Item No. 19.1/ PWD SR 2014-15	cum							
	infront of Rajakumar house road		1	45.00	3.00	0.15	20.25		
	desilting of existing drain		2	155.00	0.90	0.40	111.60		
							131.85	**75.60**	**9968.00**
	Basic Rate	70.00							
	Area Weightage @ 8%	5.60							
	Total	**75.60**							
2	KSRB 2-2.1 : earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No. 5/ Item No. 2.3/ PWD SR 2014-15	cum							
	for L Shape RCC drain		1	45.00	1.00	0.60	27.00		
	Culvert		6	6.00	1.50	1.20	64.80		
							91.80	**176.04**	**16160.00**
	Basic Rate	163.00							
	Area Weightage @ 8%	13.04							
	Total	**176.04**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
33 3	KSRB 100-1 Loading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumpting turning for return trip excluding time for haulged and return trip complete as per specification item No 17.1 page 130 and KSRB M.100.4.1 costof haulage excluding loading and unloading MORTH to a distance of 4.00 K.M (Item No 17.4 Page 130 (SR 2014-15)	cum							
			Vide Item No. 2				223.65	79.10	17691.00
	Basic Rate for loading and unloading	63.00							
	Basic Rate for Haulage upto 4.00 k.m =1.28 X 2 X 4	10.24							
		73.24							
	Area Weightage @ 8%	5.86							
	Total	**79.10**							
4	KSRRB M300-53: construction of embankment with approved material gravel/murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement table 300-2 complete as per specifications. (which includes cost of gravel/murrum, watering charges & compaction by vibratory roller) MORTH specification Page No. 305.4.3, No. 144/ Item No. 19.60/ PWD SR 2014-15	**cum**							
	infront of Rajakumar house road		1	45.00	3.00	0.20	27.00		
							27.00	**220.32**	**5949.00**
	Basic Rate	204.00							
	Area Weightage @ 8%	16.32							
	Total	**220.32**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
5	KSRB-4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 withOPC cement at 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1.4.2, No. 12/ Item No. 4.2/ PWD SR 2014-15	Cum							
	for CC road		1	45.00	3.00	0.15	20.25		
	for L Shape RCC drain		1	45.00	1.00	0.15	6.75		
	culvert		6	6.00	1.20	0.15	6.48		
							33.48	5064.12	169547.00
	Basic Rate	4689.00							
	Area Weightage @ 8%	375.12							
	Total	5064.12							
6	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, **lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc,** including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1.4.5. No. KBS 4.1.4.6, No. 13/ Item No. 4.11/ PWD SR 2014-15	Cum							
	bed for RCC drain		1	45.00	1.00	0.15	6.75		
	side walls		1	45.00	0.15	0.60	4.05		
	culvert bed		6	6.00	1.20	0.20	8.64		
	side walls	6x2	12	6.00	0.20	0.90	12.96		
	deck		6	6.00	1.20	0.23	9.94		
							42.34	6065.28	256780.00
	Basic Rate	5616.00							
	Area Weightage @ 8%	449.28							
	Total	6065.28							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
7	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Page No. 19/ Item No. 4.46/ PWD SR 2014-15	Quintal							
	for culvert 90Kg/cum		0.900	**42.34**			38.10		
				42.34			**38.10**	**7254.80**	**276425.00**
	Basic Rate	7254.80							
8	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, attached pilasters,bittresses,buttresses plinth and string course including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 15/ Item No. 4.31/ PWD SR 2014-15	sqm							
	side walls	1x2	2	45.00	0.60		54.00		
	culvert side walls	4x6	24	6.00	0.90		129.60		
		6x1	6	6.00	1.20		43.20		
	deck	6x2	12	6.00	0.23		16.56		
		6x2	12	1.20	0.23		3.31		
							246.67	**292.68**	**72196.00**
	Basic Rate	271.00							
	Area Weightage @ 8%	21.68							
	Total	**292.68**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
9	KSRRB M600-6: cement concrete pavement, construction unreinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with 43 grade cement or any other type as per clause 1051.2.2M20/M30 at 380/450 kg per cum, coarse and fine aggregate conforming to IS: 383, maximum size of coarse aggregate not exceeding 25mm, mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including leveling the form work as per drawing.), spreading the concrete with shovels, rackers compacted using needle, scred and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved curing compound, finishing to lines and grade as per drawing complete as per specification M30(at 360kg per cum coarse aggregate @ 0.69cum and fine aggregare @ 0.46cum).. No. 171/ Item No. 22.6.1 SR 2014-15	Cum							
	for cc road		1	45.00	3.00	0.10	13.50		
							13.50	5896.80	79607.00
	Basic Rate	5460.00							
	Area Weightage @ 8%	436.80							
	Total	5896.80							
10	Vaccum De- writing with vaccum pump and suction mat and compaction with skin flater clubbed with floatiog disc including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and diisc etc. with all lead and lift. Page No 171 Item No 22.7 SR 2014-15	Sqm							
	infront of Rajakumar house road		1	45.00	3.00		135.00		
							135.00	97.20	13122.00
	Basic Rate	90.00							
	Area Weightage @ 8%	7.20							
	Total	97.20							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
11	Providing groove cutting for width of 5mm to 100m depth 80mm-100 including cost of cutting machine, generatoe & HOM of machinery, including cost of blade, coolant etc., including cleaning of groove & providing sand and hot birumen fillars, and filler metal etc., including cost of conveyance of all materials,. Labour, lead and lift charges and all other incidental charges as per drawing and as per specifications. do- for concrete pavement Item no 22.8.1 Page No 178 SR 2014-15	Rmt							
	for cc road		5	3.00			15.00		
							15.00	**124.20**	**1863.00**
	Basic Rate	115.00							
	Area Weightage @ 8%	9.20							
	Total	**124.20**							
12	RCC Precast covering slab for drain (10cm thick)	**sqm**							
			1	20.00	0.90		18.00		
	missing covering slab at BB road		2	18.00	1.20		43.20		
							61.20	**1498.00**	**91678.00**
	Rate Approved by BBMP	**1498.00**							
	"CONSTRUCTION OF GENERAL TOILET "								
1	KSRB 2-2.1 : earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No. 5/ Item No. 2.3/ PWD SR 2014-15								
			1	7.00	4.00	0.15	4.20		
							4.20	**142.04**	**596.57**
	Basic Rate	134.00							
	Area Weightage 6%	8.04							
	Total Rate	142.04							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	KSRB 2-2.2 : Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m , in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. specification, specification. No. KBS 2.1(b) / 2.3.5, No. 5/ Item No. 2.4/ PWD SR 2014-15	cum							
	wall foundation		2	6.88	0.90	1.05	13.00		
			3	2.12	0.90	1.05	6.01		
			2	1.50	0.60	0.65	1.17		
			3	1.20	0.60	0.65	1.40		
			1	0.75	0.60	0.65	0.29		
			1	2.63	0.60	0.15	0.24		
							22.12	**259.70**	**5743.68**
	S.R.Rate	245.00							
	Area Weightage	14.70							
	Total	259.70							
3	KSRB-3.2 : Providing and injecting chemical emulsion for Preconstructional **anti-termite treatment,** creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulisifiable concentrates of 20% concentration, including cost of chemical, diluting in water to one precent concentration, labour, HOM of equipments, complete as specifications.(Plinth area of building at ground floor only shall be measured) specification. No. KBS : 3.2.6 / 3.2.7 , P No. 09/ Item No. 3.2/ PWD SR 2014-15	sqm							
			1	6.21	3.48		21.61		
							21.61	**106.00**	**2290.74**
	Basic Rate	100.00							
	Area Weightage 6%	6.00							
	Total Rate	106.00							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
4	KSRB-4-1.1 : Providing and laying in position plain cement concrete of nominal mix 1:4:8 using 40mm and down size graded granite metal machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.3/ PWD SR 2014-15	cum							
	wall foundation		2	6.88	0.90	0.10	1.24		
			3	2.12	0.90	0.10	0.57		
	parpet wall		2	2.27	0.60	0.10	0.27		
			3	0.77	0.60	0.10	0.14		
	for steps		1	0.15	0.60	0.10	0.01		
			1	1.62	0.60	0.10	0.10		
							2.33	**4757.28**	**11074.95**
	Basic	4488.00							
	Area Weightage 6%	269.28							
	Total rate	4757.28							
5	KSRB 5.2-2 Providing and constructing granite / trap / basalt rubble stone masonry in foundation with mud mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Page No. 22/ Item No. 5.6/ PWD SR 2014-15	cum							
	footings -1		2	6.73	0.75	0.30	3.03		
	LW		3	2.27	0.75	0.30	1.53		
	SW		2	2.12	0.45	0.50	0.95		
	Partition wall		3	0.92	0.45	0.50	0.62		
			1	0.30	0.45	0.50	0.07		
	footings -2 LW		2	6.58	0.60	0.45	3.55		
	SW		3	2.42	0.60	0.45	1.96		
	Footings -3 LW		2	6.43	0.45	0.15	0.87		
	SW		3	2.57	0.45	0.15	0.52		
							13.11	**3765.12**	**49342.37**
	Basic	3552.00							
	Area Weightage 6%	213.12							
	Total rate	3765.12							
6	KSRB 5.3-2 Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 22/ Item No. 5.9/ PWD SR 2014-15	cum							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	wall foundation		2	6.43	0.45	0.45	2.60		
			3	2.57	0.45	0.45	1.56		
			2	2.12	0.45	0.45	0.86		
	partition wall		3	0.92	0.45	0.45	0.56		
			1	0.30	0.45	0.45	0.06		
							5.64	**4458.36**	**25161.53**
	Basic	4206.00							
	Area Weightage 6%	252.36							
	Total rate	4458.36							
7	KSR8.15.1.1: Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 109/ Item No. 15.1 / PWD SR 2014-15	sqm							
	external wall		2	3.47		0.45	3.12		
			2	6.20		0.45	5.58		
							8.70	**90.10**	**784.14**
	Basic	85.00							
	Area Weightage 6%	5.1							
	Total rate	90.10							
8	KSRB- 4-1.5 : Providing and laying in position plain cement concrete of nominal mix 1:2:4 using 20mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1.4.2. No.12/ Item No. 4.6/ PWD SR 2014-15	cum							
	wall foundation		2	6.43	0.45	0.45	2.60		
			3	2.57	0.45	0.45	1.56		
			2	2.12	0.45	0.45	0.86		
			3	0.92	0.45	0.45	0.56		
			1	0.30	0.45	0.45	0.06		
			1	3.02	2.52	0.10	0.76		
			1	3.02	3.00	0.10	0.91		
			2	1.32	0.60	0.10	0.16		
			1	1.30	0.20	0.05	0.01		
			5	1.05	0.20	0.05	0.05		
			2	1.20	0.20	0.05	0.02		
			3	1.05	0.20	0.05	0.03		
							7.59	**5228.98**	**39688.56**
	Basic	4933.00							
	Area Weightage 6%	295.98							
	Total rate	5228.98							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
9	KSRB 4-6.7 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 16/ Item No. 4.34/ PWD SR 2014-15	sqm							
	lintel beams V1		2	1.30		0.15	0.39		
	V2		10	1.05		0.15	1.58		
	D1		2	2.63		0.15	0.79		
	D2		4	1.05		0.15	0.63		
							3.38	**255.46**	**864.48**
	Basic	241.00							
	Area Weightage 6%	14.46							
	Total rate	255.46							
10	KSRB 4-6.10 : Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 16/ Item No. 4.37/ PWD SR 2014-15	sqm							
	for chajja V1		1	1.30		0.60	0.78		
	V2		5	1.05		0.60	3.15		
	D1		1	2.63		0.60	1.58		
							5.51	**265.00**	**1459.62**
	Basic	250.00							
	Area Weightage 6%	15.00							
	Total rate	265.00							
11	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 14/ Item No. 4.31/ PWD SR 2014-15	sqm							
	For Roof slab		1	6.21		3.48	21.61		
							21.61	**287.26**	**6207.92**
	Basic	271.00							
	Area Weightage 6%	16.26							
	Total rate	287.26							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
12	KSRB 4.2.8 Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.46 with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1,4.6. Page No. 13/ Item No. 4.11/ PWD SR 2014-15	cum							
	roof slab		1	6.21	3.48	0.15	3.24		
	lintel beam V1		1	1.30	0.20	0.15	0.04		
	V2		5	1.05	0.20	0.15	0.16		
	D1		1	2.63	0.20	0.15	0.08		
	D2		3	1.05	0.20	0.15	0.09		
							3.61	**4954.44**	**17893.06**
	Basic	4674.00							
	Area Weightage 6%	280.44							
	Total rate	4954.44							
13	KSRB 4.2.10 : Providing and laying in position reinforced cement concrete of mix 1:1, 5:3 with 12 mm and down size graded granite metal, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor lever, including cost of all materials, labour, HOM of machinery, curing, complete as per specification. Specification NO. KBS 4.1, 4.6 Page No. 14/ Item No. 4.19/ PWD SR 2014-15	sqm							
	V1		1	1.30		0.60	0.78		
	V2		2	1.05		0.60	1.26		
	D1		1	2.63		0.60	1.58		
							3.62	**449.44**	**1626.07**
	Basic	424.00							
	Area Weightage 6%	25.44							
	Total rate	449.44							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
14	KSRB 4.9.2 providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No.16/ Item No. 4.46/ PWD SR 2014-15	Quintal		3.61					
	Consider 100Kg/cum		1.000	**3.61**			3.61		
							3.61	**7254.80**	**26200.86**
	Basic Rate	**7254.80**							
15	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms. in depth, compacting each deposited layers by ramming after watering with lead upto 50m, and lift upto 1.5m, including cost of all labour complete as per specifications, specification. No. KBS 2.9, No. 6/ Item No. 2.10/ PWD SR 2014-15	cum							
	for basement		1	6.21	3.48	0.45	9.72		
	Qty = item no 2-item5+item6						6.59		
							16.31	**116.60**	**1902.31**
	Basic	110.00							
	Area Weightage 6%	6.6							
	Total rate	116.60							
16	KSRB 100-1 Loading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumpting turning for return trip excluding time for haulged and return trip complete as per specification item No 17.1 page 117 and KSRB M.100.4.1 costof haulage excluding loading and unloading MORTH to a distance of 4.00 K.M (Item No 17.4 Page 117 (SR 2014-15)	cum							
							10.30	**77.63**	**799.63**
	Basic Rate for loading and unloading	63.00							
	Basic Rate for Haulage upto 4.00 k.m =1.28 X 2 X 4	10.24							
		73.24							
	Area Weightage @ 6%	4.39							
	Total	**77.63**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
17	KSRB 5-14 : Providing and constructing precast **concrete solid blocks** with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Page No. 25/ Item No. 5.27/ PWD SR 2014-15	sqm							
	Outer wall		2	6.21		3.00	37.26		
	2		2	3.48		3.00	20.88		
							58.14		
	Deduction for opening								
	V1		1	1.00		0.60	0.60		
	V2		5	0.75		0.60	2.25		
	D1		2	0.90		2.10	3.78		
							6.63		
							51.51	**975.20**	**50232.55**
	Basic	920.00							
	Area Weightage 6%	55.20							
	Total rate	975.20							
18	KSRB 5-15 : Providing and constructing **non-load bearing** wall with cement concrete solid blocks with compressive strength no less than 35 Kg/sqm with cement mortar 1:4 (Jamb, closer blocks) with solid concrete blocks of size 40x10x20 cms.(lxblxh) conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Page No. 25/ Item No. 5.28/ PWD SR 2014-15	sqm							
	partition wall		2	1.50		3.00	9.00		
			3	1.20		3.00	10.80		
			1	0.75		3.00	2.25		
							22.05		
	Deductions								
	Door - D		3	0.75		2.10	4.73		
							4.73		
							17.33	**711.26**	**12322.58**
	Basic	671.00							
	Area Weightage 6%	40.26							
	Total rate	711.26							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
19	KSRB 15.8.1 : Providing and fixing **plaster mesh 150mm** wide manufactured out of hot dipped galvanished iron of nominal thickness 0.35mm with a zinc coating of 120gms per sqm width, along route of walls chipped for services, junction between and brick walls including cost materials, labour, for fixing complete as per specifications. (length of mesh only be measured for payment.) plaster mesh 150mm wide, Page No.111/ Item No. 15.35/ PWD SR 2014-15	mtr							
	Lintel V1		2	1.30			2.60		
	V2		10	1.05			10.50		
	D1		2	2.63			5.26		
	D2		6	1.05			6.30		
							24.66	**40.28**	**993.30**
	Basic	38.00							
	Area Weightage 6%	2.28							
	Total rate	40.28							
20	KSRB 15-3.7:- Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No. 119/ Item No. 15.15/ PWD SR 2014-15	sqm							
	outer wall		2	6.21		3.00	37.26		
			3	3.48		3.00	31.32		
			2	6.21		0.75	9.32		
			3	3.48		0.75	7.83		
							85.73		
	Deductions	Coff							
	V1	0.5	1	1.00		0.60	0.30		
	V2	0.5	5	0.75		0.60	1.13		
	D1	0.5	2	0.90		2.10	1.89		
	D2	0.5	3	0.75		2.10	2.36		
							5.68		
							80.05	**233.20**	**18667.08**
	Basic	220.00							
	Area Weightage 6%	13.20							
	Total rate	233.20							
21	KSRB 15.3.3 : Providing 12mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever reuired smooth rendering. : Providing and removing scaffolding, including cost of materials, labour. Curing complete as per specifications. . Page No. 109/ Item No. 15.11 / PWD SR 2014-15	sqm							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Internal wall Gents Toilet		2	1.50		0.90	2.70		
			2	1.20		0.90	2.16		
			2	3.02		0.90	5.44		
			2	1.68		0.90	3.02		
			2	1.32		0.90	2.38		
			2	0.75		0.90	1.35		
	Ladies toilet		2	1.50		0.90	2.70		
			2	1.20		0.90	2.16		
			2	1.50		0.90	2.70		
			2	1.20		0.90	2.16		
			2	1.40		0.90	2.52		
			2	2.52		0.90	4.54		
							33.82		
	Deductions	Coff							
	V1	0.5	1	1.00		0.60	0.30		
	V2	0.5	5	0.75		0.60	1.13		
	D1	0.5	2	0.90		2.10	1.89		
	D2	0.5	3	0.75		2.10	2.36		
							5.68		
							28.14	**140.98**	**3967.81**
	Basic	133.00							
	Area Weightage 6%	7.98							
	Total rate	140.98							
22	KSRB 15.3.13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:4, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No. 110/ Item No. 15.21 / PWD SR -2014-15	sqm							
	Ladies Toilet		1	3.02		2.52	7.61		
	Gents Toilet		1	3.02		3.00	9.06		
							16.67	**183.38**	**3057.02**
	Basic	173.00							
	Area Weightage 6%	10.38							
	Total rate	183.38							
23	KSRB 15.5.1 : Providing **rough cement plastering 15mm thick** in single coat with cement mortar 1:4, to brick masonry for base of daddoing works with sand of approved quality, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No. 110/ Item No. 15.30/ PWD SR 2014-15	sqm							
	Gents Toilet		2	1.50		0.90	2.70		
			2	1.20		0.90	2.16		
			2	3.02		0.90	5.44		
			2	1.68		0.90	3.02		
			2	1.32		0.90	2.38		
			2	0.75		0.90	1.35		
	Ladies toilet		2	1.50		0.90	2.70		
			2	1.20		0.90	2.16		
			2	1.50		0.90	2.70		
			2	1.20		0.90	2.16		

(19)

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			2	1.40		0.90	2.52		
			2	2.52		0.90	4.54		
							33.82		
	Deductions	Coff							
	V2	0.5	5	0.75		2.10	3.94		
	D2	0.5	3	0.75		0.60	0.68		
							4.61		
							29.21	**167.48**	**4892.01**
	Basic	158.00							
	Area Weightage 6%	9.48							
	Total rate	167.48							
24	KSRB 15-16 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to given an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. Page No. 114/ Item No. 15.53.2 / PWD SR 2014-15 with primer	sqm							
	Same Quantity as in External plastering			80.00			80.00		
							80.00	**79.50**	**6360.00**
	Basic	75.00							
	Area Weightage 6%	4.50							
	Total rate	79.50							
25	KSRB 15.15.1: Providing and applying painting in two coats with **plastic emulsion paint of approved** brand on wall surface to give an even approved shade after thoroughly brushing the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth cost of materials, labour, complete as per specifications. 15.15.2 : -do- with primer. Page No.123/ Item No. 15.51.2 / PWD SR 2014-15	sqm							
	Same Quantity as in internal plastering + ceiling						44.90		
							44.90	**67.84**	**3046.02**
	Basic	64.00							
	Area Weightage 6%	3.84							
	Total rate	67.84							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
26	KSRB 14.14-5: providing **Ceramic tiles** of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete as per specifications. for Ceramic Tiles of size 30x30cms Page No. 103/ Item No. 14.36.2 / PWD SR 2014-15	sqm							
			1	6.21		3.48	21.61		
							21.61	999.58	**21601.72**
	Basic	943.00							
	Area Weightage 6%	56.58							
	Total rate	999.58							
27	KSRB 14.10.1 : Flooring with 25mm to 40mm thick polished **tandur blue stone slabs** using mortar 1:6, 25mm thick over existing cement concrete bed or top of roof laid to line and level and jointed with cement slurry mixed with pigment to match the shade of the slab, including cost of materials, labour, curing, polishing complete as per specifications. Page No. 100/ Item No. 14.15 / PWD SR 2014-15	sqm							
	steps		2	1.30	0.30		0.78		
			3	1.30		0.15	0.59		
							1.37	**1088.62**	**1485.97**
	Basic	1027.00							
	Area Weightage 6%	61.62							
	Total rate	1088.62							
28	KSRB 14.17.2: Providing skirting, dado, rises of steps with Colour **glazed tiles** 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface white should be measured and paid separately) using glazed tiles of approved make and size of materials, labour, complete as per specifications. Specification No. KBS 14.17. Page No. 103/ Item No. 14.41 / PWD SR 2014-15	sqm							
	bath and W/c		3	5.40		2.10	34.02		
	Gents Toilet		1	12.03		2.10	25.26		
	Ladies Toilet		1	8.00		2.10	16.80		
							76.08		
	Deductions								
	V1		1	1.00		0.60	0.60		
	V2		5	0.75		0.60	2.25		
	D1		2	0.90		2.10	3.78		
	D2		3	0.75		2.10	4.73		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
							11.36		
							64.73	998.52	64632.20
	Basic	942.00							
	Area Weightage 6%	56.52							
	Total rate	998.52							
29	KSRB 7.8 : Providing and fixing in position in cement concrete 1:3:6 steel glazed windows and ventilators side hung/top hung 2/3 openable 1/3 fixed as per approved drawings using Z angles of 25x33x3mm, weighing 1.419Kg/m both for outer and inner frames and central mullion section of size 25x46x3mm weighing 2.28Kg/m all duly providing T section 19x19x3mm weighing 0.839 kg/m for glazing of windows not more than 34 cms. c to c including providing and fixing 4mm thick reeded glass with teakwood beading of required size, all steel section should confirm to I.S. 7452:1990, 4nos. of holdfasts of approved size section should be cut to length welded and electrically grinded subdividing frames of unit shall be tenonned and revetted into the frames electrically. All the steel surface shall be thoroughly cleaned free of rust and painted with one coat of anti-corosive paint and finishing two coats of ready mix paint of approved colour and make including cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Page No. 32/ Item No. 7.8/ PWD SR 2014-15	sqm							
	V1		1	1.00		0.60	0.60		
	V2		5	0.75		0.60	2.25		
							2.85	3219.22	9174.78
	Basic	3037.00							
	Area Weightage 6%	182.22							
	Total rate	3219.22							
30	KSRB 7.9 : Providing and fixing M.S. grill work for windows and ventilators weighing 21 kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Specification No. KBS 7.12 Page No. 37/ Item No. 7.9/ PWD SR 2014-15	kg							
	V1		1	1.00		0.60	0.60		
	V2		5	0.75		0.60	2.25		
	Consider 21 KG /Sqm						2.85		
							59.85	98.58	5900.01
	Basic	93.00							
	Area Weightage 6%	5.58							
	Total rate	98.58							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			10				10.00		
37	Providing and fixing Locking Arrengement for doors as per direction of engineer incharge code No 0220 sl no 397 SR 2014-15	Each					**10.00**	**116.00**	**1160.00**
			2				2.00		
38	KSRB 15-17.4: Applying priming coat over new wood surface and / or wood based surface, after brushing with ready mix enamel priming paint including preparing the surface after thoroughly cleaning oil, grease, dirt, and foreign matter, sand papering and knotting ready mix paint including cost of materials, labour, complete as per specifications. Page No. 115/ Item No. 15.58 / PWD SR 2014-15	sqm'					**2.00**	**633.00**	**1266.00**
			2	0.90		2.10	3.78		
	Basic	23.00					**3.78**	**24.38**	**92.16**
	Area Weightage 6%	1.38							
	Total rate	24.38							
39	KSRB 9-27.1 : Fixing of **door frame in an existing opening including** embedding frame in floor and walls after cutting masonry for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20 mm and down size granite metal painting two coats of coal tar to sides of frame, making good the damages to walls and floor as required and disposal of the debries with lead upto 50m, including cost of materials, labour charges, complete as per Specification. Page No. 57/ Item No. 9.80/ PWD SR 2014-15	Nos							
	Doors		5				5.00		
	Basic	962.00					**5.00**	**1019.72**	**5098.60**
	Area Weightage 6%	57.72							
	Total rate	1019.72							
40	KSRB 15-17.6: Providing and **applying painting two coats** (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications. Page No.115 / Item No. 15.60 / PWD SR 2014-15	Sqm							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			2	0.90		2.10	3.78		
							3.78	**82.68**	**312.53**
	Basic	78.00							
	Area Weightage 6%	4.68							
	Total rate	82.68							
41	KSRB 13.11.1: Providing and placing on terrace **Polyethylene water storage tanks** with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications. (For 1000 litre capacity) Specification NO. KBS 13.22 Page No. 91/ Item No. 13.78 / PWD SR 2014-15	Nos							
			2				2.00		
							2.00	**8851.00**	**17702.00**
	Basic	8350.00							
	Area Weightage 6%	501.00							
	Total rate	8851.00							
42	"SOLID PVC DOOR FRAMEProviding & fixing factory made PVC Door frame of size 50x47 mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet metered cut at corners & jointed 2No.s of 150mm long brackets of 15x15 mm M.S. Square tube of 19 gauge. The door frame to be fixed to the wall using M.S. Screws of 65/80mm size complete as per manufactures specification & direction of Engineer-in charge Page No. 57/ Item No. 9.84/ PWD SR 2014-15	Sqm							
	D2		3	0.75		2.10	4.73		
							4.73	**550.14**	**2599.41**
	Basic	519.00							
	Area Weightage 6%	31.14							
	Total rate	550.14							
43	"SOLID PANEL PVC DOOR SHUTTER" Providing & fixing 30mm thick factory made rigid foam Panelled Door Shutters made from M.S. tube of 19 gauge thickness, size 19x19mm from styles and 15x15mm for top & bottom rails, covered with heat moulded PVC 'C' channel of 5mm thick sheet & 30 x 50 mm wide to form styles & 5mm thick & 75mm wide PVC Sheets for top rail, lock rail & bottom rail on either side & 5mm thick 20mm wide PVC sheet as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet fitted in the M.S. Frame, Sealed to the styles & rails with 5x30mm PVC sheet beading on either side & joined together with solvent cement adhesive etc., Complete as per manufacturers specification & direction of Engineer-in charge fixed to frames with 3 nos of 75m.m. Aluminium hinges. Page No. 57/ Item No. 9.83/ PWD SR 2014-15	Sqm							
	D2		3	0.75		2.10	4.73		
							4.73	**3357.02**	**15861.92**
	Basic	3167.00							
	Area Weightage 6%	190.02							
	Total rate	3357.02							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
44	KSRB 10-2: Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc, consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75kg/sqm conforming admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab after cleaning the surface before treatment. (b) laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junction of walls and slabs, (c) after two days of proper curing, applying a second coat of cement lurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick jointless cement	sqm					21.61	859.66	18577.94
							21.61	859.66	18577.94
	Basic	811.00							
	Area Weightage 6%	48.66							
	Total rate	859.66							
13	1% of Quality control charges								15000.00
14	Miscellaneous charges								1792.71
								Total	1500000.00

(Rupees Fifteen Lakhs Only)

Administrative Sanction for Rs. "15.00" lakhs
is accorded for Rs. 1771
- 2014-15
Registered as CE No. 31 Dt: 27-10-14
to conditions contained in enclosed memo
No. /
AE/JE JTA CE/YNK
27-9-14

TECHNICALLY SANCTIONED FOR Rs. 15.00 lakhs
Rupees Fifteen Lakhs
- only
Under P 1771 - 2014-15
Registered as CE ( ) No. 9 9
Subject to conditions contained in
enclosed memo CE ( ) No /9/
Dt. Estimate As Sanctioned
LE/HNB/TS/26/14-15 2L
Dated 6.21 28.10.14 15.00 Lakhs
Executive Engineer

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2014-15.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Yelahanka Sub Division
Bangalore-64

Executive Engineer
Yelahanka Division
Bangalore-64

Construction of C.C. road at Yelahanka old post-office road opposite to Rayakumar house road and Yelahanka old town in Ward no-01 of Yelahanka Sub-division.